XU2M18MB230WK

photo-electric sensor - XU2 - thru beam - 90° - Sn 15m - 24..240VAC/DC - 1/2"





Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XU2
Sensor design	Cylindrical M18
Detection system	Thru beam
Material	Metal
Line of sight type	90° lateral
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring technique	2-wire
Discrete output function	1 NC
Electrical connection	1 male connector 1/2"20 UNF, 3 pins
Product specific application	-
Emission	Infrared thru beam
[Sn] nominal sensing distance	15 m thru beam

Complementary

Lens material PMMA Maximum sensing distance 20 m Output type Solid state Add on output Without Status LED 1 LED (yellow) for output state 1 LED (red) for instability [Us] rated supply voltage 24240 V AC/DC Supply voltage limits 20264 V AC/DC Maximum residual current 1.5 mA open state Switching capacity in mA 10200 mA (to be used with 0.4 A quick-blow fuse in series with the load) Switching frequency <= 25 Hz Maximum voltage drop <6 V (closed state) Maximum delay first up 300 ms Maximum delay response 20 ms Maximum delay recovery 20 ms Setting-up Sensitivity adjustment Diameter 18 mm Length 110 mm Net weight 0.155 kg	Enclosure material	Nickel plated brass
Output type Solid state Add on output Without Status LED 1 LED (yellow) for output state 1 LED (red) for instability [Us] rated supply voltage 24240 V AC/DC Supply voltage limits 20264 V AC/DC Maximum residual current 1.5 mA open state Switching capacity in mA 10200 mA (to be used with 0.4 A quick-blow fuse in series with the load) Switching frequency <= 25 Hz Maximum voltage drop 46 V (closed state) Maximum delay first up 300 ms Maximum delay response 20 ms Maximum delay recovery 20 ms Setting-up Sensitivity adjustment Diameter 18 mm Length Net weight 0.155 kg	Lens material	PMMA
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Status LED 1 LED (yellow) for output state 1 LED (red) for instability [Us] rated supply voltage 24240 V AC/DC Supply voltage limits 20264 V AC/DC Maximum residual current 1.5 mA open state Switching capacity in mA 10200 mA (to be used with 0.4 A quick-blow fuse in series with the load) Switching frequency <= 25 Hz Maximum voltage drop 46 V (closed state) Maximum delay first up 300 ms Maximum delay response 20 ms Maximum delay recovery 20 ms Setting-up Sensitivity adjustment Diameter 18 mm Length 110 mm Net weight 0.155 kg	Output type	Solid state
LED (red) for instability	Add on output	Without
Supply voltage limits 20264 V AC/DC Maximum residual current 1.5 mA open state Switching capacity in mA 10200 mA (to be used with 0.4 A quick-blow fuse in series with the load) Switching frequency <= 25 Hz Maximum voltage drop 60 V (closed state) Maximum delay first up 300 ms Maximum delay response 20 ms Maximum delay recovery 20 ms Setting-up Sensitivity adjustment Diameter 18 mm Length 110 mm Net weight 0.155 kg	Status LED	
Maximum residual current 1.5 mA open state Switching capacity in mA 10200 mA (to be used with 0.4 A quick-blow fuse in series with the load) Switching frequency <= 25 Hz Maximum voltage drop 6 V (closed state) Maximum delay first up 300 ms Maximum delay response 20 ms Maximum delay recovery 20 ms Setting-up Sensitivity adjustment Diameter 18 mm Length 110 mm Net weight 0.155 kg	[Us] rated supply voltage	24240 V AC/DC
Switching capacity in mA 10200 mA (to be used with 0.4 A quick-blow fuse in series with the load) Switching frequency <= 25 Hz Maximum voltage drop 46 V (closed state) Maximum delay first up 300 ms Maximum delay response 20 ms Maximum delay recovery 20 ms Setting-up Sensitivity adjustment Diameter 18 mm Length 110 mm Net weight 0.155 kg	Supply voltage limits	20264 V AC/DC
Switching frequency <= 25 Hz Maximum voltage drop <6 V (closed state) Maximum delay first up 300 ms Maximum delay response 20 ms Maximum delay recovery 20 ms Setting-up Sensitivity adjustment Diameter 18 mm Length 110 mm Net weight 0.155 kg	Maximum residual current	1.5 mA open state
Maximum voltage drop<6 V (closed state)Maximum delay first up300 msMaximum delay response20 msMaximum delay recovery20 msSetting-upSensitivity adjustmentDiameter18 mmLength110 mmNet weight0.155 kg	Switching capacity in mA	10200 mA (to be used with 0.4 A quick-blow fuse in series with the load)
Maximum delay first up 300 ms Maximum delay response 20 ms Maximum delay recovery 20 ms Setting-up Sensitivity adjustment Diameter 18 mm Length 110 mm Net weight 0.155 kg	Switching frequency	<= 25 Hz
Maximum delay response20 msMaximum delay recovery20 msSetting-upSensitivity adjustmentDiameter18 mmLength110 mmNet weight0.155 kg	Maximum voltage drop	<6 V (closed state)
Maximum delay recovery20 msSetting-upSensitivity adjustmentDiameter18 mmLength110 mmNet weight0.155 kg	Maximum delay first up	300 ms
Setting-up Sensitivity adjustment Diameter 18 mm Length 110 mm Net weight 0.155 kg	Maximum delay response	20 ms
Diameter 18 mm Length 110 mm Net weight 0.155 kg	Maximum delay recovery	20 ms
Length110 mmNet weight0.155 kg	Setting-up	Sensitivity adjustment
Net weight 0.155 kg	Diameter	18 mm
	Length	110 mm
Taranitas I sasi as VI IOMANACOZONI/T I VI IOMANACOZONI/T	Net weight	0.155 kg
Kit composition Transmitter + receiver XU2M18MC230WKT + XU2M18MB230WKR	Kit composition	Transmitter + receiver XU2M18MC230WKT + XU2M18MB230WKR

Environment

Product certifications	CE	
	UL	
	CSA	
Ambient air temperature for operation	-2555 °C	
Ambient air temperature for storage	-4070 °C	
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 1055 Hz) conforming to IEC 60068-2-6	
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27	
IP degree of protection	IP67 conforming to IEC 60529	

Packing Units

Package 1 Weight	0.206 kg	
Package 1 Height	0.041 dm	
Package 1 width	0.130 dm	
Package 1 Length	0.094 dm	

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	[™] REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	☐ End of Life Information

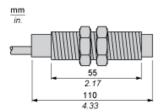
Contractual warranty

Warranty	18 months

Product data sheet Dimensions Drawings

XU2M18MB230WK

Dimensions

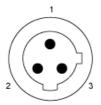


Product data sheet Connections and Schema

XU2M18MB230WK

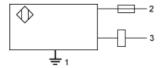
Wiring Schemes

Connector

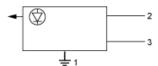


1: Grounding 2: AC/DC 3: AC/DC

2-wire AC or DC



Transmitter



Product data sheet Performance Curves

XU2M18MB230WK

Detection Curves

Thru-beam System

